## **Author Index**

Akaiwa, H., see Tsunoda, K.-i. 327

Arriaga, E.A.

-, Zhang, Y. and Dovichi, N.J.

Use of 3-(p-carboxybenzoyl)quinoline-2-carboxaldehyde to label amino acids for high-sensitivity fluorescence detection in capillary electrophoresis 319

Bishop, P.L., see Galal, A. 145

Bosch, E.

-, Bou, P. and Rosés, M.

Linear description of solute retention in reversed-phase liquid chromatography by a new mobile phase polarity parameter 219

Bou, P., see Bosch, E. 219

Boutron, C.F., see Candelone, J.-P. 9

Candelone, J.-P.

-, Hong, S. and Boutron, C.F.

An improved method for decontaminating polar snow or ice cores for heavy metal analysis 9

Castillo, J.R., see Galbán, J. 277

Clarke, E.T.

-, Solouki, T., Russell, D.H., Martell, A.E. and Mc-Manus, D.

Transformation of polysulfidic sulfur to elemental sulfur in a chelated iron, hydrogen sulfide oxidation process 97

Da, H.L., see Da, S.-L. 239

Da, S.-L.

—, Yue, W.G., Wen, Y.F., Da, H.L. and Wang, Z.-H. Preparation and characterization of bonded stationary phases of nitrogen-containing crown ether for high-performance liquid chromatography 239

Danielsson, B., see Xie, B. 165

De Marcos, S., see Galbán, J. 277

Diamond, D., see Stanley, M.A. 81

Dimandja, J.-M.D.

-, Valentín, J.R. and Phillips, J.B.

Gas chromatographic column for the storage of sample profiles 29

Dimitrova, N., see Dobrevski, I. 37

Dimova-Todorova, M., see Dobrevski, I. 37

Dobrevski, I.

—, Dimova-Todorova, M., Dimitrova, N. and Högfeldt, E. Ammonium-hydrogen exchange on two carboxylate resins

Doherty, A.P., see Stanley, M.A. 81 Dovichi, N.J., see Arriaga, E.A. 319

Entcheva, E.G.

- and Yotova, L.K.

Analytical application of membranes with covalently bound glucose oxidase 171

Esaka, Y., see Kano, K. 69

Forrestal, M., see Stanley, M.A. 81

Galal, A.

—, Wang, Z., Karagözler, A.E., Zimmer, H., Mark, Jr., H.B. and Bishop, P.L.

A potentiometric iodide (and other) ion sensor based on a conducting polymer film electrode. Part II. Effect of electrode conditioning and regeneration techniques 145

Galbán, J.

-, De Marcos, S., Segura, P. and Castillo, J.R.

Determination of lactate by the intrinsic fluorescence of lactate oxidase 277

Gelado-Caballero, M.D., see Herrera-Melián, J.A. 59 Gensler, M.

- and Schmidt, H.-L.

Isolation of the main organic acids from fruit juices and nectars for carbon isotope ratio measurements 231

Gopalan, B., see Radha krishna, G. 285

Goto, M., see Kano, K. 69

Grishko, V.I., see Tran, C.D. 361

Guilbault, G.G., see Hlavay, J. 91

Harada, M.

-, Shibata, M., Kitamori, T. and Sawada, T.

Application of coaxial beam photothermal microscopy to the analysis of a single biological cell in water 343

Haraguchi, H., see Hu, W. 249

Harata, A.

-, Kawasaki, T., Ito, M. and Sawada, T.

Study of electrochemical interfaces by transient reflecting gratings 349

Hattori, H., see Kagawa, K. 393

Hawke, D.J.

- and Powell, H.K.J.

Flow-injection analysis applied to the kinetic determination of reactive (toxic) aluminium: comparison of chromophores 257 Heise, T.W.

- and Yeung, E.S.

Dynamics of matrix-assisted laser desorption as revealed by the associated acoustic signal 377

Hernández-Brito, J., see Herrera-Melián, J.A. 59

Herrera-Melián, J.A.

—, Hernández-Brito, J., Gelado-Caballero, M.D. and Pérez-Peña, J.

Direct determination of cobalt in unpurged oceanic seawater by high speed adsorptive cathodic stripping voltammetry 59

Hisamoto, H.

—, Watanabe, K., Nakagawa, E., Siswanta, D., Shichi, Y. and Suzuki, K.

Flow-through type calcium ion selective optodes based on novel neutral ionophores and a lipophilic anionic dye 179 Hlavay, J.

- and Guilbault, G.G.

Determination of sulphite by use of a fiber-optic biosensor based on a chemiluminescent reaction 91

Hobo, T., see Wu, X.-Z. 333

Högfeldt, E., see Dobrevski, I. 37

Hong, S., see Candelone, J.-P. 9

Hu, W.

-, Tao, H., Tominaga, M., Miyazaki, A. and Haraguchi, H.

A new approach for the simultaneous determination of inorganic cations and anions using ion chromatography 249

Huang, G., see Tran, C.D. 361

Ideta, K., see Ogawa, T. 355

Imasaka, T., see Kaneta, T. 371

Inoue, T., see Ogawa, T. 355

Ishii, M.

-, Itoh, K., Yoshihiro, Y. and Nakamura, T.

Convenient and sensitive chemiluminescent detection system for 2-furancarboxylic acid using a continuous-flow method 269

Ishikane, M., see Kagawa, K. 393

Itabashi, H., see Tsunoda, K.-i. 327

Ito, M., see Harata, A. 349

Ito, Y.

-, Ueki, O. and Nakamura, S.

Determination of colloidal iron in water by laser-induced breakdown spectroscopy 401

Itoh, K., see Ishii, M. 269

Kagawa, K.

-, Hattori, H., Ishikane, M., Ueda, M. and Kurniawan, H.

Atomic emission spectrometric analysis of steel and glass using a TEA CO<sub>2</sub> laser-induced shock wave plasma 393 Kaneta, T.

-, Yamashita, T. and Imasaka, T.

Separation of polycyclic aromatic hydrocarbons by micellar electrokinetic chromatography with laser fluorescence detection 371

Kano, K.

-, Morikage, K., Uno, B., Esaka, Y. and Goto, M.

Enzyme microelectrodes for choline and acetylcholine and their applications 69

Karagözler, A.E., see Galal, A. 145

Kawasaki, T., see Harata, A. 349

Kitamori, T., see Harada, M. 343

Kurniawan, H., see Kagawa, K. 393

Liu, D.-Y., see Wensing, M.W. 1

Love, L.J.C., see Zibas, S.A. 17

Love, M.D.

- and Pardue, H.L.

Systematic comparison of data-processing options for kinetic-based single-component determinations of non-catalysts. Part 1. Review, systematic classification, mathematical descriptions, performance characteristics and perspectives 195

- and Pardue, H.L.

Systematic comparison of data-processing options for kinetic-based single-component determinations of non-catalysts. Part 2. One-rate, two-point/fixed-time, two-rate, three-point/fixed-time options 209

MacCraith, B.D., see Stanley, M.A. 81

Marcos, J.

and Townshend, A.

Studies on the inhibition of immobilised alkaline phosphatase by metal ions and EDTA in a flow-injection system 129

Mark, Jr., H.B., see Galal, A. 145

Martell, A.E., see Clarke, E.T. 97

Masuhara, H.

- and Sasaki, K.

Time-resolved fluorescence and absorption microspectroscopy of a single microparticle 309

Matsuoka, M., see Takamoto, R. 387

Maxwell, J., see Stanley, M.A. 81

McManus, D., see Clarke, E.T. 97

Mecklenburg, M., see Xie, B. 165

Miyazaki, A., see Hu, W. 249

Monroe, E.T., see Stanton, B.J. 301

Morikage, K., see Kano, K. 69

Murakami, S., see Saito, K. 137

Muromatsu, A., see Saito, K. 137

Nakagawa, E., see Hisamoto, H. 179 Nakajima, K.

—, Ohta, K. and Takada, T.

Study on S<sub>2</sub> emission response from sulphur-containing amino acids in molecular emission cavity analysis 113

Nakamura, S., see Ito, Y. 401

Nakamura, T., see Ishii, M. 269

Nakashima, K., see Ogawa, T. 355

Namba, R., see Takamoto, R. 387

Ogawa, T.

—, Sato, M., Tachibana, M., Ideta, K., Inoue, T. and Nakashima, K.

Dependence of the laser two-photon ionization signal of anthracene on the electron mobility and the excess energy innon-polar solvents 355

Öhman, O., see Xie, B. 165 Ohta, K., see Nakajima, K. 113

Pardue, H.L., see Love, M.D. 195, 209

Pawliszyn, J., see Wu, J. 337

Pelne, A., see Vircavs, M. 291

Pérez-Peña, J., see Herrera-Melián, J.A. 59

Phillips, J.B., see Dimandja, J.-M.D. 29

Potvin, P.G.

Modelling complex solution equilibria III. Error-robust calculation of equilibrium constants from pH or potentiometric titration data 43

Powell, H.K.J., see Hawke, D.J. 257

Radha krishna, G.

—, Ravindra, H.R., Gopalan, B. and Syamsundar, S. Application of a wavelength dispersive x-ray fluorescence spectrometric technique for the analysis of tantalum intitanium-tantalum alloys 285

Ravindra, H.R., see Radha krishna, G. 285

Rone, V., see Vircavs, M. 291

Rosés, M., see Bosch, E. 219

Russell, D.H., see Clarke, E.T. 97

Saito, K.

—, Taninaka, I., Murakami, S. and Muromatsu, A. Synthesis of thiacrown ether carboxylic acids and their characteristics as extractants for metal ions 137

Saka Amini, M.A.

- and Vallon, J.J.

Comparison of performances and analytical applications of two immobilized oxalate oxidase sensors 75

Sasaki, K., see Masuhara, H. 309

Sato, M., see Ogawa, T. 355

Sawada, T., see Harada, M. 343

Sawada, T., see Harata, A. 349

Sawada, T., see Takamoto, R. 387

Schmidt, H.-L., see Gensler, M. 231

Segura, P., see Galbán, J. 277

Shibata, M., see Harada, M. 343

Shichi, Y., see Hisamoto, H. 179

Shindoh, H., see Wu, X.-Z. 333

Siswanta, D., see Hisamoto, H. 179

Smith, B.W., see Wensing, M.W. 1

Solouki, T., see Clarke, E.T. 97

Stanley, M.A.

—, Maxwell, J., Forrestal, M., Doherty, A.P., MacCraith, B.D., Diamond, D. and Vos, J.G.

Comparison of the analytical capabilities of an amperometric and an optical sensor for the determination of nitrate in river and well water 81

Stanton, B.J.

-, Monroe, E.T. and Wehry, E.L.

Pump-probe laser photolytic fragmentation fluorescence spectrometry of methyl vinyl ketone, methacrolein and crotonaldehyde 301

Suzuki, K., see Hisamoto, H. 179 Syamsundar, S., see Radha krishna, G. 285

Tachibana, M., see Ogawa, T. 355

Takada, T., see Nakajima, K. 113

Takamoto, R.

—, Yamamoto, S., Namba, R., Matsuoka, M. and Sawada, T.

New percutaneous absorptiometry by a laser photoacoustic method using an open-ended cell 387

Taninaka, I., see Saito, K. 137

Tao, H., see Hu, W. 249

Tominaga, M., see Hu, W. 249

Townshend, A., see Marcos, J. 129

Tran, C.D.

-, Huang, G. and Grishko, V.I.

Direct and indirect detection of liquid chromatography by infrared thermal lens spectrometry 361

Tsunoda, K.-i.

-, Itabashi, H. and Akaiwa, H.

Application of the glass slab optical waveguide to the spectrophotometric determination of the iron(II)-1,10-phenanthroline complex by flow analysis 327

Ueda, M., see Kagawa, K. 393

Ueki, O., see Ito, Y. 401

Uno, B., see Kano, K. 69

Valentín, J.R., see Dimandja, J.-M.D. 29

Vallon, J.J., see Saka Amini, M.A. 75

Vircava, D., see Vircavs, M. 291

Vircavs, M.

-, Rone, V., Pelne, A. and Vircava, D.

Coprecipitation behaviour of 5,8-polyquinolyl polydisulphide for trace element preconcentration from aqueous solution 291

Vos, J.G., see Stanley, M.A. 81

Wang, E., see Zhou, W. 189

Wang, Z., see Galal, A. 145

Wang, Z.-H., see Da, S.-L. 239

Watanabe, K., see Hisamoto, H. 179

Wehry, E.L., see Stanton, B.J. 301

Wen, Y.F., see Da, S.-L. 239

Wensing, M.W.

-, Liu, D.-Y., Smith, B.W. and Winefordner, J.D.

Determination of lead in whole blood using a capacitively coupled microwave plasma atomic emission spectrometer

Winefordner, J.D., see Wensing, M.W. 1

Winquist, F., see Xie, B. 165

Wu, J.

and Pawliszyn, J.

Diode laser-based concentration gradient imaging detector for capillary isoelectric focusing 337

Wu, M., see Zhou, W. 189

Wu, X .- Z.

-, Shindoh, H. and Hobo, T.

Thermooptical flow-injection determination for hydrogen peroxide based on an enzymic reaction heat-induced optical beam deflection 333

Xie, B.

—, Mecklenburg, M., Danielsson, B., Öhman, O. and Winquist, F.

Microbiosensor based on an integrated thermopile 165 Xu, L., see Zhou, W. 189, 189

Yamamoto, S., see Takamoto, R. 387 Yamashita, T., see Kaneta, T. 371 Yeung, E.S., see Heise, T.W. 377 Yoshihiro, Y., see Ishii, M. 269 Yotova, L.K., see Entcheva, E.G. 171 Yue, W.G., see Da, S.-L. 239

Zhang, Y., see Arriaga, E.A. 319 Zhou, W.

—, Xu, L., Wu, M., Xu, L. and Wang, E. Determination of hydrazines by capillary zone electrophoresis with amperometric detection at a platinum particle-modified carbon fibre microelectrode 189

Zibas, S.A.

and Love, L.J.C.
Solute-micelle interactions in zwitterionic micellar chromatography 17
Zimmer, H., see Galal, A. 145